

Minneapolis: Recycling Beyond the Cart



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Presentation Overview

1. Introduction to Minneapolis Solid Waste & Recycling
2. Curbside Collection Outside the Cart
 - Batteries
 - Large and Bulky Items
3. Drop-off for Large & Bulky Items
4. Processing of Large & Bulky Items
5. University Pack & Give Back program
6. Program Costs
7. Future Considerations

Division of Solid Waste & Recycling

Services Provided:

- Garbage (weekly)
- Recycling (every other week)
- Organics Collection (weekly)
- Yard Waste (Apr. – Nov.)
- Event Recycling Services
- Clean City Services
 - CleanSweeps
 - Graffiti Abatement
 - Adopt-A-programs
 - Litter container, block, ash receptacle, etc.



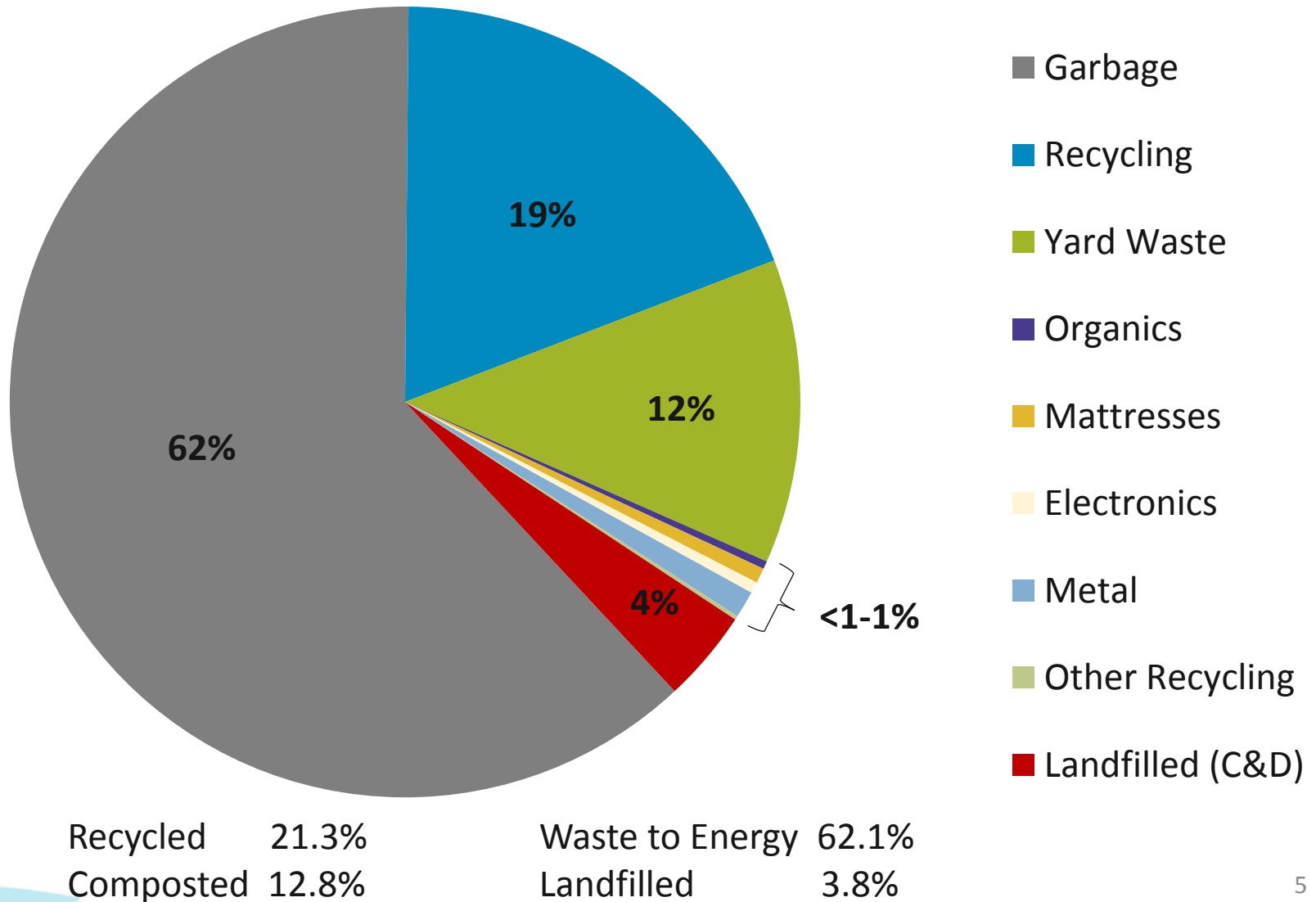
Beyond the Cart

Services Provided Continued:

- Bulky Item Collection
- Excessive Materials Management
 - Voucher Program @ Transfer Station
 - Requested Cleanups

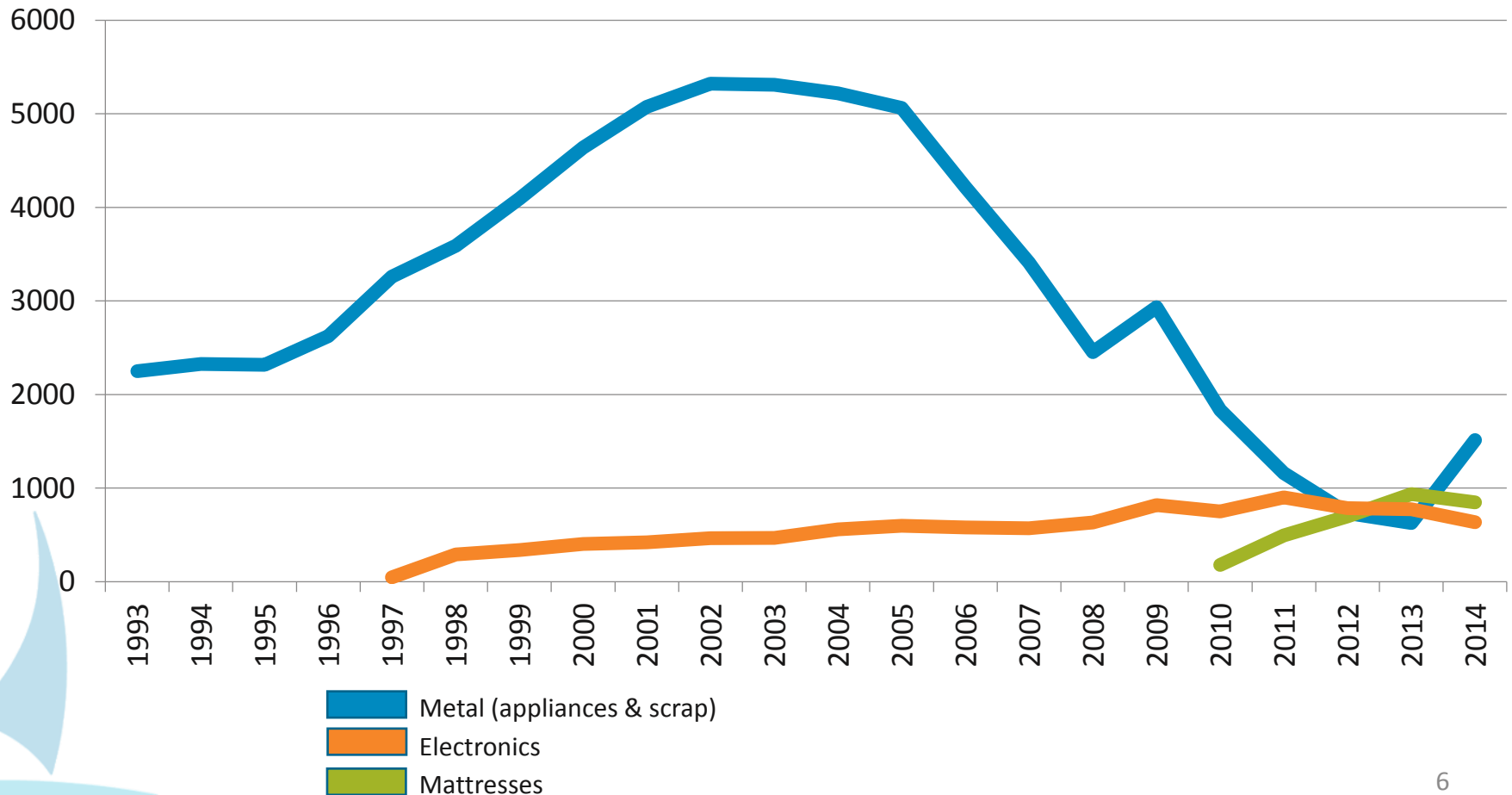


2014 Waste Management



Large Item Collection (in tons)

(metals/appliances, electronics, and mattresses)



Household Battery Collection

- Partnership with Hennepin County, Momentum, and Call2Recycle
 - 15.66 Tons collected in 2014; avg. 1.31 Tons/month
- Residents place in bag on top of recycling cart
- Approx. 10 pounds of batteries collected per crew per day



Large/Bulky Item Collection

Garbage Week

- Up to 2 non-recyclable items may be placed at the curb for collection



Recycling Week

- A total of 2 recyclable/ non-recyclable items may be placed out for collection



Large/Bulky Item Collection (cont.)

- Residents are told to label items “For Solid Waste”
- Garbage crews collect non-recyclable large items.
- Garbage crews note address for recyclable large items and leave “We’ll be Back” sticker on the item.
- Another crew returns the following business day to pick up recyclable large items.



Voucher Program at South Transfer Station



Customers Receive:

- **8 Cleanup Vouchers annually**

- Up to 2,000 pounds of garbage and C&D
- Two bulky/large item
- **2014 Usage**
 - 16,728 vouchers used
 - 6,639.16 Tons



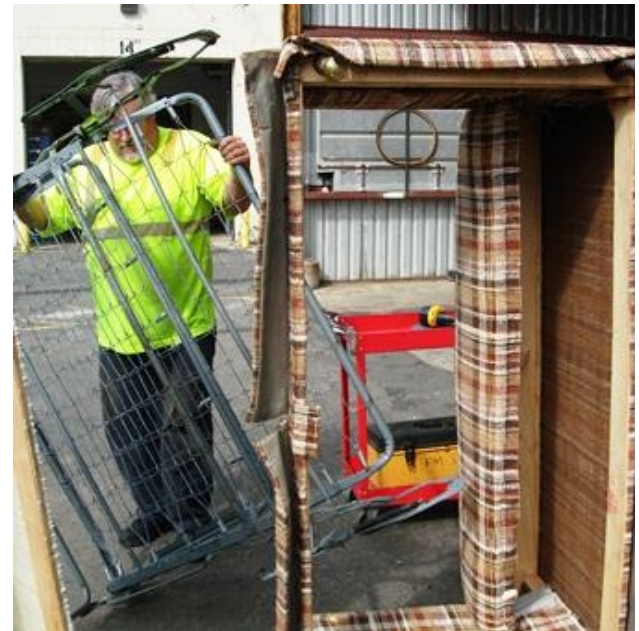
- **2 Tire Vouchers annually**

- Up to 8 tires each
- **2014 Usage**
 - 727 vouchers used
 - 3,579 tires recycled



Processing of Large Items

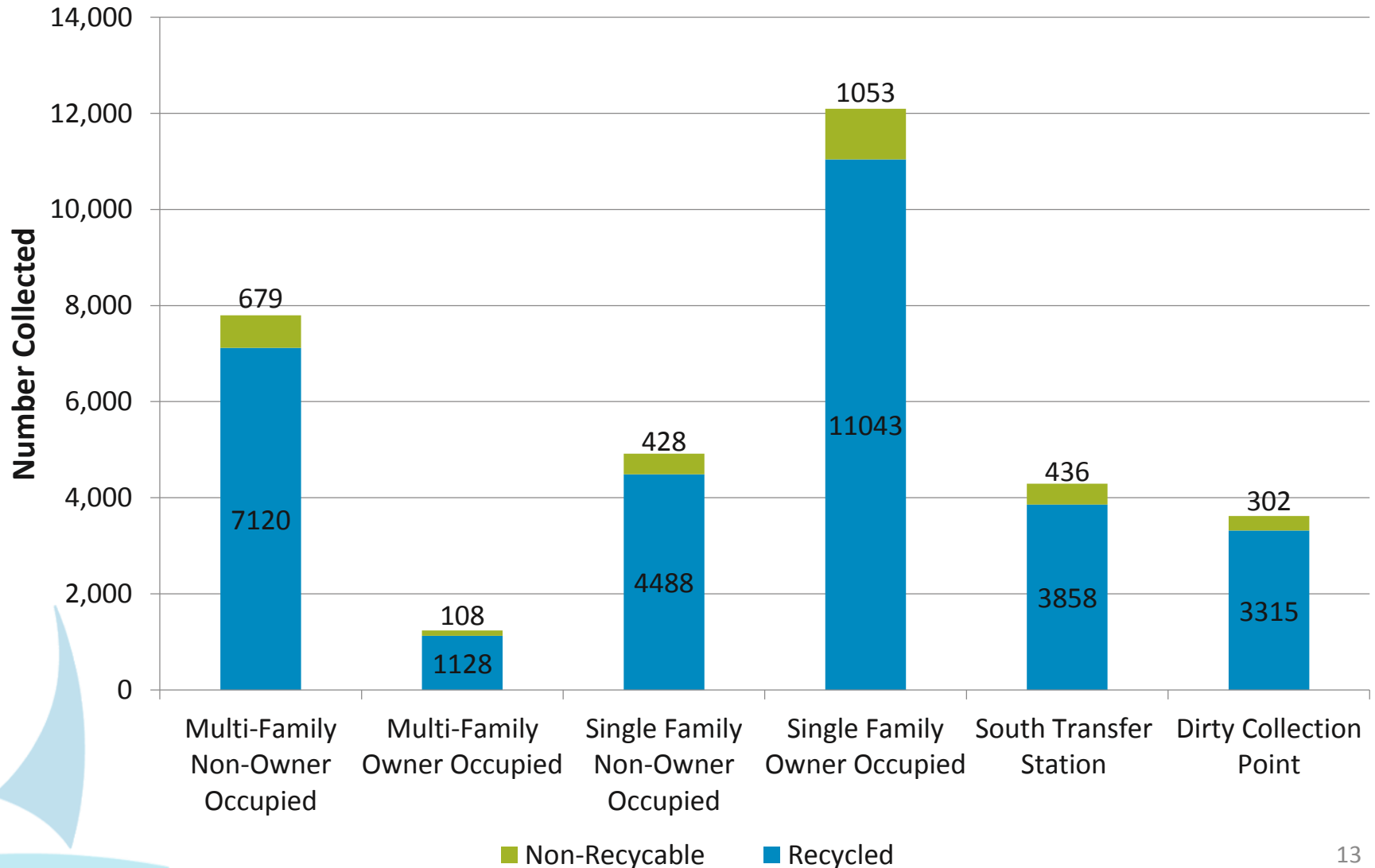
- 2-4 Large Item collection
1-person crews out per day
- 98% of items require processing
- TVs, Hide-A-Bed couches, air conditioners and microwaves are more common
- Metal and circuit boards are removed
- Freon is evacuated



Mattresses & Box Springs



2014 Mattress Collection Volumes



Mattress Recycling Costs

Momentum Fees	Cost per mattress
Curbside/alley collection	\$8
Collection from South Transfer & Pacific	\$6
Cost per recyclable mattress (dismantling)	\$10
Cost per non-recyclable mattress (disposal)	\$25

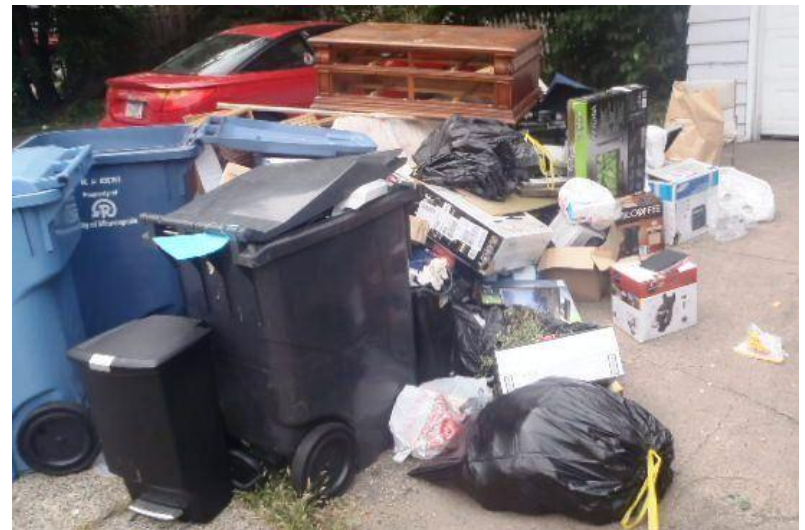
Non-recyclable mattresses:

1. water-logged
2. Bed bugs
3. Individually wrapped coil mattresses (Sealy®)
 - Too labor intensive to dismantle

*PowerPoint presentation on Mattress Recycling process can be found on our Studies and Reports webpage.

Pack & Give Back University of Minnesota Move-Out

- Partnership with University of Minnesota, local non-profits, Hennepin County, neighborhood groups, etc.
- Goal to divert usable items from trash each Spring & Fall



UMN Pack & Give Back Reusables Diverted



Visit www.facebook.com/PackGiveBack for more information.

What's the cost?

Program	2014 Cost
Curb & Alley Collection (garbage, recycling, yard waste, organics)	\$13,432,941
Large Item Collection & Processing	\$1,083,331
Mattress Collection & Processing	\$532,398
Transfer Station Management	\$205,950
Battery Collection	\$0.00

Note: Disposal costs, program administration, customer service and equipment are not included in the costs above.

Future Considerations

Modifications to South Transfer Station:

- Evaluate number of vouchers per household
- Analyze C&D stream
- Collect more reusable & recyclable materials

Collection Volumes:

- Continue monitoring large item set-outs for abuse and charge those abusing service

Extended Producer Responsibility:

- Mattress EPR is high priority for Minnesota



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Questions?



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